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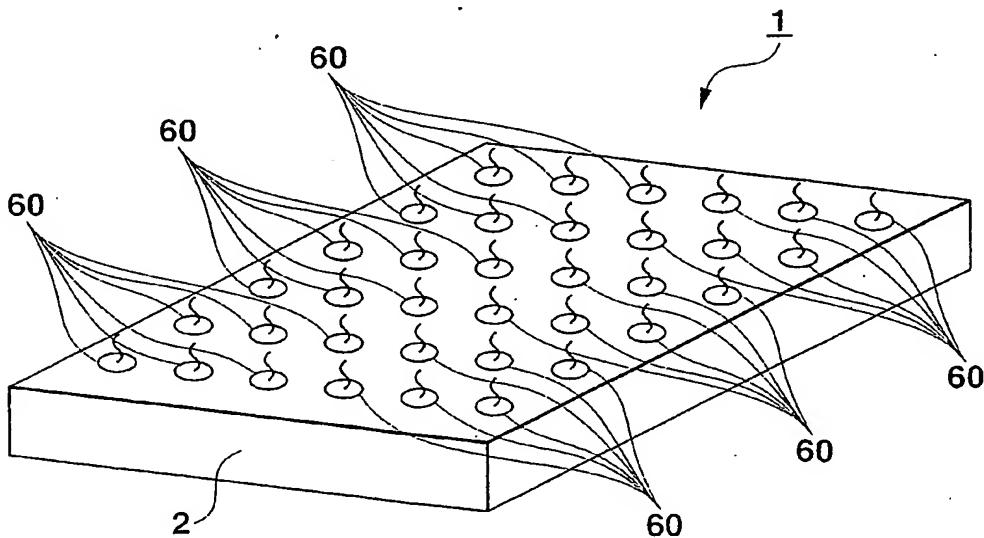
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(54) Title: OPTICAL DNA SENSOR, DNA READING APPARATUS, IDENTIFICATION METHOD OF DNA AND MANUFACTURING METHOD OF OPTICAL DNA SENSOR



WO 2004/059006 A1

(57) Abstract: The advantage is to provide a DNA reading apparatus which can sense fluorescence even if the sensitivity of a CCD image sensor or a photomul is low and can be constructed in a compact size. An optical DNA sensor having: a solid imaging device, and a plurality types of DNA probe each including nucleotide sequence and being arrayed and fixed on a surface of the solid imaging device.